UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,103	10/14/2004	Kari J Niemi	60091.00348	9602

			EXAMINER
32294	7590	06/29/2005	BALAOING, ARIEL A

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ART UNIT	PAPER NUMBER
2683	

DATE MAILED: 06/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
Office Action Summary		10/511,103	NIEMI, KARI J
		Examiner	Art Unit
		Ariel Balaoing	2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *14 October 2004*.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
   closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-20* is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-20* is/are rejected.

7) ☒ Claim(s) *1* is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on *14 October 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☒ All   b)☐ Some * c)☐ None of:

   1. ☒ Certified copies of the priority documents have been received.

   2. ☐ Certified copies of the priority documents have been received in Application No. _____.

   3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage
      application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date *10/14/04*.

4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1.   Claim 1 is objected to because of the following informalities: On line 2 of claim 2

the limitation "comprising the steps of" is recited. This should read, *"further* comprising

the steps of". Appropriate correction is required.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3.   Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by SONTI

et al(US 6,108,540).

Regarding claim 1, SONTI discloses a method for personalizing a service in a

telecommunications system (abstract), the method comprising at least the steps of

maintaining a parameter list [feature list] for a service (abstract), the list comprising

parameters associated with the service (column 2:line 55-column 3:line 41; column

6:lines 5-30), further comprising the steps of maintaining a value on at least two

different levels for at least a first parameter (column 2:line 55-column 3:line 41; column

6:lines 5-30), the first level [active profile] being more individualizing then the second

level (column 2:line 55-column 3:line 41; column 6:lines 5-30); and maintaining at least

two service data profiles for the service (column 2:line 55-column 3:line 41; column

6:lines 5-30), the profiles both comprising definitions of the levels for the parameters

and the profiles differing from one another at least in that in the first service data profile

the first parameter value is on the fist level, whereas in the second service data profile it

is on the second level (column 2:line 55-column 3:line 41; column 6:lines 5-30).

Regarding claim 2, see the rejections of the parent claim concerning the subject

matter this claim is dependant upon. SONTI further discloses further comprising the

steps of indicating the service data profile to be used for providing a service to a

subscriber in subscriber data residing in the system (column 2:line 55-column 3:line 41;

column 6:lines 5-30; feature list is chosen by the subscriber); and providing the service

to the subscriber by using the values defined for the parameters on the levels according

to the service data profile definitions (column 7:lines 12-24).

Regarding claim 3, see the rejections of the parent claim concerning the subject

matter this claim is dependant upon. SONTI further discloses wherein the first level is a

system or service specific level [feature lists] (column 2:line 55-column 3:line 41; column

6:lines 5-30) and the second level is a subscription specific level [active profile] (column

2:line 55-column 3:line 41; column 6:lines 5-30) in which a parameter value is

separately defined for each subscription in the system (column 2:line 43-column 3:line

11).

Regarding claim 4, see the rejections of the parent claim concerning the subject

matter this claim is dependant upon. SONTI further discloses wherein the parameters

of the parameter list that are not available for a particular service data profile are

indicated in the service data profile (column 6:lines 5-23; the number of permitted features is shown).

Regarding claim 5, see the rejections of the parent claim concerning the subject matter this claim is dependant upon. SONTI further discloses further comprising the step of determining in the service data profile not only common parameters included in each service data profile, but also service data profile specific parameters that relate only to the service data profile in question (column 5:line 56-column 6:line 4; common profile information is formed with feature list).

Regarding claim 6, see the rejections of the parent claim concerning the subject matter this claim is dependant upon. SONTI further discloses further comprising the step of maintaining a parameter list for a service (column 6:lines 31-44), the list being associated with the first service data profile and comprising references only to parameters associated with the first service data profile (column 6:lines 31-63).

Regarding claim 7, SONTI discloses a telecommunications system software product comprising a computer readable program [software] stored in a program storage means [database] (column 4:lines 55-65; column 6:lines 31-44), the program comprising a first routine for maintaining a parameter list for a service (column 2:line 55-column 3:line 41; column 6:lines 5-30), the list comprising parameters associated with the service (column 2:line 55-column 3:line 41; column 6:lines 5-30), wherein the program comprises a second routine for maintaining at least a first parameter value on at least two different levels (column 2:line 55-column 3:line 41; column 6:lines 5-30), the first level being more individualizing than the second level [active profile] (column 2:line

55-column 3:line 41; column 6:lines 5-30), and a third routine for maintaining at least

two service data profiles for the service (column 2:line 55-column 3:line 41; column

6:lines 5-30), the profiles both comprising definitions of the levels for the parameters

and the profiles differing from one another at least in that in the first service data profile

the value of the first parameter is on the first level column 2:line 55-column 3:line 41;

column 6:lines 5-30 (), whereas in the second service data profile it is on the second

level (column 2:line 55-column 3:line 41; column 6:lines 5-30).

Regarding claim 8, see the rejections of the parent claim concerning the subject

matter this claim is dependant upon. SONTI further discloses wherein the program

comprises a fourth routine to indicate in the system subscriber data the service data

profile to be used for providing a service to the subscriber (column 2:line 55-column

3:line 41; column 6:lines 5-30; feature list is chosen by the subscriber), and a fifth

routine for providing the service to the subscriber by using the parameter level values

defined on the bases of the service data profile definitions (column 7:lines 12-24).

Regarding claim 9, see the rejections of the parent claim concerning the subject

matter this claim is dependant upon. SONTI further discloses wherein the program

further comprises a routine for identifying those parameters in a parameter list which are

not available in the service data profile (column 6:lines 5-23; the number of permitted

features is shown).

Regarding claim 10, see the rejections of the parent claim concerning the subject

matter this claim is dependant upon. SONTI further discloses wherein the program

further comprises a routine for identifying in the service data profile not only common

parameters included in each service data profile, but also service data profile specific

parameters that relate only to the service data profile in question (column 5:line 56-

column 6:line 4; common profile information is formed with feature list).

Regarding claim 11, see the rejections of the parent claim concerning the subject

matter this claim is dependant upon. SONTI further discloses wherein the program

further comprises a routine for maintaining for the service a parameter list associated

with the first service data profile (column 6:lines 31-44), the list including references only

to parameters associated with the first service data profile (column 6:lines 31-63).

Regarding claim 12, SONTI discloses a telecommunications system (abstract)

comprising a network node [HLR/MSC] for maintaining for a service a parameter list of

parameters [feature list] associated with the service (column 2:line 55-column 3:line 41;

column 6:lines 5-30), wherein the system is configured to maintain at least a first

parameter value on at least two different levels (column 2:line 55-column 3:line 41;

column 6:lines 5-30), the first level [active profile] being more individualizing then the

second level (column 2:line 55-column 3:line 41; column 6:lines 5-30); and to maintain

at least two service profiles for the service (column 2:line 55-column 3:line 41; column

6:lines 5-30), the profiles both comprising definitions of the levels for the parameters

and the profiles differing from one another at least in that in the first service data profile

the value of the first parameter is on the first level (column 2:line 55-column 3:line 41;

column 6:lines 5-30), whereas in the second service data profile it is on the second level

(column 2:line 55-column 3:line 41; column 6:lines 5-30).

Regarding claim 13, see the rejections of the parent claim concerning the subject matter this claim is dependant upon. SONTI further discloses wherein the system is further configured to indicate in the system subscriber data the service data profile to be used for providing the service to a subscriber (column 2:line 55-column 3:line 41; column 6:lines 5-30; feature list is chosen by the subscriber); and to provide the service to the subscriber by using parameter values defined on levels according to the service data profile definitions (column 7:lines 12-24).

Regarding claim 14, see the rejections of the parent claim concerning the subject matter this claim is dependant upon. SONTI further discloses wherein the system is further configured to indicate the parameters that are not available for the service data profile (column 6:lines 5-23; the number of permitted features is shown).

Regarding claim 15, see the rejections of the parent claim concerning the subject matter this claim is dependant upon. SONTI further discloses wherein the system is further configured to maintain for the service a parameter list associated with the first service data profile, the list including references only to parameters associated with the first service data profile (column 5:line 56-column 6:line 4; common profile information is formed with feature list).

Regarding claim 16, see the rejections of the parent claim concerning the subject matter this claim is dependant upon. SONTI further discloses wherein the system is further configured to maintain for the service a parameter list associated with the first service data profile (column 6:lines 31-44), the list including references only to parameters associated with the first service data profile (column 6:lines 31-63).

Regarding claim 17, SONTI discloses a network node [HLR/MSC] for maintaining

a parameter list of parameters associated with a service in a telecommunications

system (abstract; column 4:line 66-column 5:line 12), wherein the network node

comprises memory means [information bank] for maintaining a value for at least a first

parameter on at least two different levels (column 5:line 31-column 6:line 5), the first

level [active profile] being more individualizing than the second level (column 2:line 55-

column 3:line 41; column 6:lines 5-30); and for maintaining at least two service data

profiles for a service (column 2:line 55-column 3:line 41; column 6:lines 5-30), the

profiles both comprising parameter level definitions and the profiles differing from one

another at least in that in the first service data profile the value of the first parameter is

on a first level (column 2:line 55-column 3:line 41; column 6:lines 5-30), whereas in the

second service data profile it is on a second level (column 2:line 55-column 3:line 41;

column 6:lines 5-30).

Regarding claim 18, see the rejections of the parent claim concerning the subject

matter this claim is dependant upon. SONTI further discloses wherein the network node

is a service database in a mobile communications system (column 4:line 66-column

5:line 12; HLRs are inherently used to store a database of subscriber information in a

cellular system).

Regarding claim 19, SONTI discloses a network node for providing a service in a

telecommunications system in which a list of the parameters for the service is

maintained (column 2:line 55-column 3:line 41; column 6:lines 5-30), wherein for

providing the service to the subscriber, the network node comprises: a first routine to

find out in the subscriber data of the system which one of the service data profiles of the

service has been subscribed to (column 2:line 55-column 3:line 41; column 6:lines 5-

30), the service data profiles comprising definitions of the levels for the parameters and

the profiles differing from one another in relation to at least one parameter level

definition (column 2:line 55-column 3:line 41; column 6:lines 5-30); and a second routine

for retrieving the parameter values from the levels based on the definitions in the

service data profile (column 2:line 55-column 3:line 41; column 6:lines 5-30).

Regarding claim 20, see the rejections of the parent claim concerning the subject

matter this claim is dependant upon. SONTI further discloses wherein the network node

is a service platform [software] in a mobile communications system (column 4:lines 55-

65; column 6:lines 31-44).

Conclusion

4.   The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

VUORISTO et al (US 6,603,969) – Subscriber service profiles in a

telecommunication system

LAIHO (US 6,097,942) – Updating mobile services based on subscriber groups

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ariel Balaoing whose telephone number is (571) 272-

7317. The examiner can normally be reached on Monday-Friday from 8:00 AM to 4:30

AM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, William Trost can be reached on (571) 272-7872. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

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